

Attorney Docket Number 2000.611 US PD

In the Claims

Please cancel claims 1, 2, 6, 7, 22 and 26 without prejudice or disclaimer thereof and replace them with new claims 27-31. Please replace claim 3 with new claim 3 as follows:

In the Claims (Clean Sheet)

New Claims 3 and 27 - 31.

B2
A2 3. The proliferative ileitis vaccine according to Claim 27 further comprising an inactivating agent.

Sub B3
1[-]27. A proliferative ileitis vaccine comprising *L. intracellularis* antigen and an adjuvant, wherein the vaccine induces an immune response resulting in the production of antibodies in a swine to which it has been administered that react with at least one antigen selected from the group consisting of *L. intracellularis* antigens having the molecular weights of 21 kDa, 31 dDa, 41 kDa, 43 kDa, 44 kDa, 60 kDa, 71 kDa, 115 kDa and greater than 115 kDa. - -

A3
[-]28. The proliferative ileitis vaccine according to claim 27, wherein the *L. intracellularis* antigen comprises whole tissue culture grown *L. intracellularis*. -

[-]29. The proliferative ileitis vaccine according to claim 27, wherein the *L. intracellularis* antigen comprises an inactivated tissue culture of *L. intracellularis*. -

[-]30. The proliferative ileitis vaccine according to claim 27, wherein in the *L. intracellularis* antigen is a modified live formulation of *L. intracellularis*. - -

Attorney Docket Number 2000.611 US PD

326
B4
[- -] 31. A method for protecting swine from disease caused
by *L. intracellularis* comprising, administering to
said swine an effective amount of the vaccine
according to claim 27.] - -